Project Design Phase-I

Problem-Solution Fit

Date	15-10-22
Team ID	PNT2022TMID27750
Project Name	Project-IOT Based Safety Gadget For Child Safety Monitoring And Notification
Maximum Marks	2 Marks

Problem-Solution fit canvas 2.0

Purpose: To create an child safety gadget

Define CS, fit into CS

1.CUSTOMER SEGMENT

- Guardian
- Parent

6.CUSTOMER CONSTRAINTS

- **Radiation cause harm**
- **Technical complexity**
- **Connectivity and power dependence**

5.AVAILABLE SOLUTION

- **Architecture consulting And cloud cost optimization**
- **Security and governance**
- **Data pipeline using AWS**

Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

2.JOBS -TO- BE-DONE/ PROBLEMS

- **Components to be on link it board**
- **The GPS module is used to record current location of the device**
- **Massive data collection and processing**

9.PROBLEM ROOT CAUSE

- Harmful use of drugs
- **Mental illness**
- **Having a lack of attention towards children**

7.BEHAVIOUR

The parent can send a message to the GSM module, according to the message information the GSM module reply back with particular details of the children Enable satellite calling in network broken environment Using touch sensor ,temperature sensor, cry sensor, electrochemical sensor the parameter are measured and has been sent to the parent

Focus on J&P, tap into BE, understand RC

Identify strong TR & EM

3.TRIGGERS
- **Social media influences**
- **Child bullying**
- **Domestic abuse**

4.EMOTIONS: BEFORE/ AFTER
- **Parents concerns about child may enter in to an unsafe situation**
- **The parent is satisfied with the product as it safes their children from all of the threads in today's world**

10.YOUR SOLUTION

- **Without any manual action the alert is given to the parent**
- **The data is stored into a cloud permanently to keep the track record of old data of the children for further reference**

8.CHANNELS of BEHAVIOR
8.1 ONLINE
- **Mobile application**
- **GSM module communication**

8.2 0FFLINE
- **Panic alarm**
- Captures image of the environment

Extract online & offline CH of BE

AMALTAMA